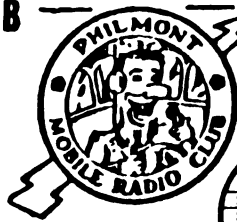


A Publication of
THE PHIL-MONT MOBILE RADIO CLUB, INC.
2113 EDGEHILL DRIVE, FURLONG, PA 18925

THE BLURB

PHILMONT MOBILE RADIO CLUB
W3RQZ-W3TKQ-W3QV



1 9 9 2

BLURB

AUGUST

OL BEN AT TKQ HERE!

JAKE'S AT IT AGAIN! YET!

**EVEN OL BEN HAS
AN EYE ON JAKE!**

B. FRANKL

YA SAY
YER NOT SATISFIED!
TELL YA WHAT IM
GONNA DO!

W3TKQ
JAKE
ENTERPRISES
ETC.

PHILMONT SALES INC.
AKZI PROP.



**Columbus
50th Anniversary
1992**

is published monthly by, and for, the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. BLURB subscriptions are available to non-members for \$10.00 addressed to the Treasurer. The club meets at 7:30 PM on the first non-holiday WEDNESDAY of every month at The Franklin Institute Science Museum, Benjamin Franklin Parkway at 20th Street, Philadelphia. Use the Winter Street (north side) entrance.

ALL VISITORS ARE WELCOME!

Amateur Radio License Examinations - the first non-holiday Thursday of every month at The Franklin Institute Science Museum - doors close at 6:30 PM-SHARP!

CLUB INFORMATION

24-Hour Information Number at W3TKQ - (215) 448-1139

Repeater frequencies: 147.03 (Bucks County input requires 131.8Hz PL)
444.80 MHz (186.2 Hz PL)

Simplex frequency: 147.51 MHz

Packet BBS frequency at W3TKQ-10: 145.05 MHz

Mailing Address: P.O. Box 88, Abington, PA 19001

STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB

W3RQZ - 1176 Old York Road, Abington, PA - Trustee W3VVS

W3TKQ - The Franklin Institute Science Museum, Philadelphia, PA - Trustee W3PWG

ALL LICENSED AMATEURS ARE WELCOME TO OPERATE W3TKQ.

OFFICERS

PRESIDENT: N3FVI, Bill Popovic, 343 Lemonte Street, Philadelphia, PA 19128 (215) 487-9472

VICE PRESIDENT: N3GLH, Brad Swanson, 517 Cresheim Valley Road, Wynmoor, PA 19118 (215) 836-2475

SECRETARY: WU3I, Steve Hoch, 4638 Oakland Street, Philadelphia, PA 19124 (215) 535-8061

TREASURER: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095 (215) 572-5238

DIRECTORS

W3BBB (92); KC2HX (92); AK2I (93); W3IIM (A); K3KUD (A); N2RM (93); W3RM (A)

COMMITTEES

Archives:	W3IIM	Emerg. Coord.:	W3BBB	Repeater:	W3BBB
BLURB:	W3IIM	Membership:	W3IIM	Special Events:	KA3EBC
Budget /Audit:	W3IIM	Net Control:	KB3IV	VE Program:	ND3Q
Directory:	WB3KOJ	Program:	N3GLH	TVI:	-----
DX:	-----	Publicity:	-----	W3TKQ:	W3PWG
Education:	N3FTZ	Refreshments:	N3FVI	Welcome:	-----

Special Liaison to The Franklin Institute Science Museum: AK2I

BLURB STAFF

Editor: W3IIM, Jack Haring, 2113 Edgehill Drive, Furlong, PA 18925
215-794-7623

Artist: Sam Kunceвич

N3DHI, WB3KOJ

Publisher/Typist: W3IIM

DEADLINE: To be assured of publication in the current month, all copy **MUST** be in the hands of the Editor at the Bored of Directors' Meeting!

NET SCHEDULE

SUNDAY	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET RESUMES SEPT 15
LAST WED	20:00	147.030	MHz FM	W3TKQ OPERATORS' NET



APPLE BYTES

Don Gordon, WB3KOJ

AUGUST BIRTHDAYS

- 01 Lee Pamplin - N3EKR
- 02 Tom Bohlander - WA3KLR
- 04 Harry Carl - W3KDO
George King - W3PXY
- 05 Rollie Madara - W3PWG
Kitty Trout - KA3BDU (XYL W3IGW)
- 07 Mike Errigo - WB3EQW
Kathie Rorick (XYL N3GEN)
- 08 Joe Johnston - K3VXU
- 09 Carolyn Popovic - KA3VLT
- 11 Dot McQueen (XYL W3PCX)
- 12 Ethel Cox (XYL K3TYB)
Maryann Errigo (XYL WB3EQW)
Joann Hoch - N3FTC
- 14 Pat Mescanti (XYL WB3CMM)
- 15 Mark Ackerman - WA3AUN
- 17 Jake Kovalchek - AK2I
Grace Burket (XYL W3HQJ/SK)
- 18 Tom McLenahan - N3DBX
- 22 John Muroff - W3SAI
- 25 Frank Whitten - K3TEF
- 27 Ursula Garvin - (XYL W3GRY)
Joanne Shoaf - (XYL KA3NKT*)
Conway Yee - N2JWQ*
- 28 Gordy Lusky - W3APD
- 30 Paul Bohlander - W3VVS

*- NEW MEMBER

HELP PHIL-MONT

Are you planning to join the ARRL or renew your current membership?
Remember: The ARRL is more than just a magazine subscription!

Help Phil-Mont by joining or renewing through the club.

Contact Ed., KB3IV, for the details.

MORE COCKTAIL PARTY FACTS

Based on available data (129 members) the average Phil-Monter is 56.54 years old.
The club has two teenagers and six octogenarians.

"DON'T TAILGATE—WAIT"—for the courtesy chime!

MID-ATLANTIC AMATEUR RADIO CLUB

HAMFEST '92



SUNDAY, AUGUST 9 WARRINGTON, PA



(Bucks County)

*Bucks County Drive-In Theatre
Route 611 - 5 miles north of PA Turnpike Exit 27,
just south of Street Rd (Rt. 132)*

FURTHER INFORMATION:

Call Rob Vann W13S (215) 384-3163
or write MARC, PO Box 352, Villanova, PA 19085

\$4.00 per Amateur admission - \$3.00 per tailgate space

No advance tickets or reserved spaces

**TAILGATE SET-UP: 7 AM
BUYERS ADMITTED: 8 AM**

**TALK-IN: 147.06/R and
146.52/S by WB3JOE**

Theatre management does not
permit outside food/beverage
sales.

MARC is an ARRL Special Service Club
sponsoring 147.06/R, 145.13/R XL 224.42/R
WB3JOE packet BBS (145.09)
Meetings 3rd Thursday of each month, 8 PM
at Memorial Library of Radnor Twp, Wayne, PA
Guests welcome - handicapped accessible



The PREZ SEZ

Bill Popovic, N3FVI



The 20th anniversary of the American Cancer Society Bike-A-Thon on July 12, was a huge success, with about 5,200 riders participating. Amateur Radio operators dispatched ambulances for a broken collar bone, heart attack, and numerous other injuries. Thanks to all the volunteers who gave their time for a great cause. Phil-Mont had a good turn-out, including: KA3EBC, AK2I, N3GEN, N3KGG, N3GMH, NS3Y, W3YLT,

K3JJO, KA3WWK, KB2ERL, N3LWC, N3KWR, N3KUS and N3FVI.

The Phil-Mont logo was printed on the T-shirts this year. If you couldn't participate, please try to next year.

I've been hearing many new calls on the repeater lately, due in part to the code-free technician license. Many of these new amateurs will pick up repeater habits from you! So let's set a good example, and also make them feel welcome.



LOOKAHEAD

Aug 5 **General Meeting Program:**
AMATEUR SATELLITES

Al. Tribble, W3STW

Aug 6 License Examinations

Aug 19 Directors' Meeting at
W3IIM & N's

Sep 2 **General Meeting**

Sep 3 License Examinations

Sep 16 Directors' Meeting at
N3GLU & KB3IV's

Oct 1 License Examinations

Oct 7 **General Meeting**

Oct 14 Directors' Meeting at
N3FTC & WU3I's

Nov 4 **General Meeting**

Nov 5 License Examinations

Nov 11 Directors' Meeting

HAMFESTS

Aug 9 **WARRINGTON, PA**
Mid-Atlantic ARC

Aug 16 **EASTON, PA**
Delaware Lehigh ARC

GEORGETOWN, DE
Sussex ARA

Aug 23 **MULLICA HILL, NJ**
Gloucester County ARC

Oct 4 **GARDEN STATE RACETRACK**
Packrats

Oct 18 **BENSALEM, PA**
Penn Wireless Assn.

Oct 25 **DUBLIN, PA**
R.F. Hill ARC

V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring a their original license and one photocopy of it. All applicants, including children, must present positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC's 1992 test fee is \$5.40; there is no charge for a Novice test.

Monthly, 1st Thursday
The FRANKLIN INSTITUTE
Dusty Rhoads, ND3Q
(215) 482-0386
(215) 879-0505

Monthly, 3rd Thursday
BELLMAWR, NJ
Bill Helmatag
(609) 546-7710

Irregularly
BRYN MAWR
Bob Lees
(215) 265-6032

Monthly, 1st Thursday
LEVITTOWN
Dave Heller, K3TX
(215) 946-1040
(215) 736-3333

Monthly, 3rd Wednesday
MORRISVILLE
Dave Munson, NM3K
(215) 788-7515

Monthly, 1st Monday
POTTSTOWN
Warren Erdman K3ZXQ
(215) 679-5764

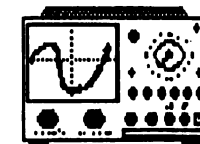
Monthly, 3rd Monday
TELFORD
Warren Erdman K3ZXQ
(215) 679-5764

Monthly, Last Saturday
UNIVERSITY OF PA
Jeff DePolo, WN3A
(215) 898-8538
(215) 386-7199

Odd Months, Last Wednesday
WARMINSTER
Tom Michaud, WA3TQJ
(215) 343-3494

Sussex Amateur Radio Association's "DELMARVA HAMFEST" & CRAFT SHOW

August 16, 1992 8a.m.-2p.m.
Del Tech Campus, Georgetown, DE
Delaware 18, 1/4 mile west of U.S. 113



TESTING

9 a.m.

NO FEE

**PREREGISTERING
REQUIRED**

Call KD3WL on
147.075 or
302-539-0781

**\$5 Tailgate
\$7 Inside
Table**

**\$5 Gate
Donation**

**Talkin:
147.075 or
224.84**

**Novice/Tech
Antenna
Seminar**

**Vintage
AM Station**

**Collins
Seminar**

**Catered
Food**

EASTON AREA HAMFEST

The Delaware-Lehigh Amateur Radio Club, Inc.
1st. Annual

HAMFEST HAMFEST HAMFEST

Sunday, August 16, 1992
Plainfield Township, Pa.

Vendor Set-up: Previous Night thru 8:00 a.m. Hamfest Day
Open to Public at 8:00 a.m.

VE Exams at 1:00 p.m. • Tailgating • Vendors
"Burn-In" Test Station - Test your Rig Before Taking Home
Food, Medical & Sanitary Facilities On Site

ADMISSION: \$3.00 Advance \$4.00 at the Door
Unlicensed Spouse Admitted Free
\$6.00 Tailgaters \$8.00 Inside Table
(includes admission)

Contact: Bob WF3H @ WB3DTG (144.97) PA USA or KD1FL bbs 7093.5khz
DLARC Club Information Line (215) 820-9110



Talk-In 146.70 W3OK Repeater 146.52 Simplex



MINUTES

JULY GENERAL MEETING

Steve Hoch, WU3I, Secretary



The meeting was called to order at 8:00 pm by N3FVI (why so precise we don't know). There were 23 members and 8 guests who were: Don DiGiovanni; John, N3LUD; Arron, KD4OYN/KT (now KD4PWG); Sean, N3MUE; Larry, N3INO; Marla, N2DWR; John, N3GSD; and Vic, KD3DE.

N3FVI reported on the special events upcoming. We have the Cancer Society Bikathon on 7/12—have 9 operators from the club, need 30. All volunteers get a tee shirt with the Gumbaudi on it.

KB3IV reported the state of the treasury is status quo. Expenses were about 2.5 times income, but the treasury is holding its own.

The 50-50 was sold by N3KGG, drawn by KD4PWG, and won by N2JWQ.

In the absence of AK2I, N3FVI, WU3I and NS3Z presented the report on W3TKQ (took 3 of us to cover for the big guy, and still not as many minutes- hmmm). The TL922 amplifier is back in place as of 7/1 the 10m mod is installed, the Amp is not on line and will remain that way until the Mosley Pro 67 is up. The Mosley Pro 67 is fully assembled and awaiting the installation of the torsion limiting cables. Stay tuned to your repeater for further details; we'll need at least 6 people to help install the beam.

Volunteers for the station are needed. We are experiencing vacation droughts and could use some help in manning [or womaning—Ed] the station. If you have any time free, call the station to see if you can get in. There were 350 volunteer hours for W3TKQ for the month of June. Thanks for the help from all involved.

Effective 7/1 the version-5 firmware is installed in the KAM. This is the latest version and allows use of the HOST-MASTER 2 PLUS software installed on the computer. The manual for this software is in the KAM file in the small file cabinet in the back room (required reading to use this program).

N3FVI reported on the repeater and CC [center city—Ed] input progress. The repeater is working fine, the cabinet for the CC input is installed, and the holes for cable access drilled. PL tone on the output of the UHF repeater to be announced soon.

WU3I reminded all of the Outgoing QSL Service provided by the club. For info contact WU3I.

N3GLH introduced N3GWG, the evening's speaker on the topic of NEW RADIO TECHNOLOGY DIGITAL VOICE ENCRYPTION.

The meeting was closed at 9:20 pm.

MINUTES

Steve Hoch, WU3I, Secretary

JULY DIRECTORS' MEETING

N3FVI called the meeting to order at 8:23 upon the arrival of AK2I entering through the back door (has to be different). Attending were W3RM, N2RM, N3FVI, N3DHI, K3KUD, KB3IV, AK2I, W3BBB and WU3I. The meeting was held at the home of W3BBB and Elaine.

KB3IV reported that we are still solvent (how he does it month after month), expenses were still outpacing income but nothing unusual.

N3FVI, in the absence of the membership committee, reported on three new members to be voted upon; they were: KA3VEJ, Eddie; KA3NKT, Gerald; and N3MDQ, Ralph. W3RM made the motion to accept all as new members. KB3IV seconded. The vote was unanimous.

W3BBB, on the subject of net controls, has requested an updated preamble from the net control chairman, replied KB3IV: it's coming, it's coming.

N3FVI read a letter from the ARRL requesting we have a Public Information Officer. After some discussion it was stated that a recent new member, Robert Ross, N2OML, had an interest in public relations. It was settled to contact Bob to see if he was interested.

N3FVI reported on Special Events: there were 14 members participating in the Cancer Society Bikathon. No major problems were reported. There were 5,200 riders, and GUMBAUDI was there on the communications operators' shirts, courtesy of the organizers.

W3BBB reported for the repeater committee; the Center City (CC) input is in the works, the cabinet is installed, and the unit

is ready for fine tuning and testing by N3DHI. The link and control frequencies have been approved for the CC input and other remote sites.

N3FVI proposed a question: DOES PHIL-MONT WANT TO SPONSOR A 220 MHZ REPEATER? COMMENTS TO N3FVI.

AK2I (HE'S BAAAACK) reported on W3TKQ: Jake read a letter he received from Frank Baxter, the son of W3ID (silent Key), he had read the article in QST and donated a pair of aircraft radios for the Antique display. Jake also reported on a check from K3JJO for the maintenance of W3TKQ. THANKS TO WALLY!!!

A check was received from The Franklin Institute for the purchase of the hats and patches. The cable for the Rupp Power Meter on the TS 950SD has been received to replace the original that was broken. It was donated by Rupp Electronics with an accompanying letter complementing PMRC on the article in QST (installed 7/17/92).

W3BBB reported that the materials were in for the bookcase and would be installed soon in the station. To take the place of our "sales" table, Jake proposed a "typical novice station" [see W3TKQ Report-Ed].

W3RM reported on a Notice of Proposed Rule Change on the relaxation of the Business Use rules. There should be much published on this subject in the following months. Comments to the FCC are open to the end of the year. [The complete W5YI article is reproduced in this issue-Ed.]

KB3IV made a motion to close the meeting at 9:37, K3KUD seconded, and there were no dissenting votes.

SOME TORNADO GUIDELINES

1. Always look for cover from tornadoes.
2. Cars are OK for lightening, but not for tornadoes.
3. One inch or larger hail, and/or very heavy rain may precede tornadoes.
4. Tornadoes move generally to the northeast.
5. Squall lines and super-cell events (slow rotating clouds overhead) lead to storms and/or tornadoes.

TCARC's The Hilltopper

GM's Radio Installation

WORLD RADIO MAGAZINE

I read with interest the problem associated with the Amateur Radio installation in the Toyota. I bought a GM product—you know, made in Indiana, USA, maybe a little bit in Canada.

General Motors will send to any interested party a 1991 paper entitled "Radio Telephone/Mobile Radio Installation Guidelines." The four-page paper delineates the precise way to install a rig from the antenna up to the microphone. How to route the wiring, how to troubleshoot and where to locate the transmitter. Very few hams will follow the instructions, especially in regards to running the ground and the hot lead all the way from the battery.

The modern automobile has one or more computers that are sensitive to RF or other electrical interruption. *The sheet-metal or frame is no longer a ground return as in the older cars.*

An examination of the wiring diagram will show that there are both plus and minus leads to each electrical component—no sheetmetal or frame returns. In some cases several items, such as instruments under the dash, have their ground return leads all tied to a common point. GM supplies a battery terminal connection, package 1846855, to provide a simple tight corrosion resistant connection to the battery.

BART PAINE, K7CC Tucson, AZ

way the nature and purpose of the amateur service. Rather they are intended to give amateur operators more flexibility to serve the public as well enhance their personal communication capabilities.

These proposed changes, however, would also increase the amateur communities responsibilities for self-regulation and cooperation in the use of their allocated frequencies. We request comments, therefore, on the proposed amendments to the Amateur Radio Service Rules set forth in the attached Appendix.

We are not proposing to allow amateur stations to transmit music as suggest by Ruh. We believe this proposal could alter the nature and purpose of the service and is well beyond our goal of providing greater flexibility for amateur stations to transmit communications for public service gatherings and personal matters. Interested parties, however, may comment regarding whether transmission of music should be allowed.

IV. PROCEDURAL MATTERS

[Most of this section is not pertinent for comment purposes and is not reproduced here.] ... interested parties may file comments on or before October 1, 1992, and reply comment on or before December 1, 1992. To file formally in this proceeding you must file an original and five copies of all comments, and reply comments. If you want each Commissioner to receive a personal copy of your comments, you must file an original plus nine copies. To file informally, you must file an original and one copy of your comments, provided only that the Docket Number is specified in the heading.

You should send comments and reply comments to **Office of the Secretary, Federal Communications Commission, Washington, D.C. 20554**. Comments and reply comments will be available for public inspection during regular business hours in the Dockets Reference Room of the FCC, 1919 M St. NW, Washington, D.C. 20554.

APPENDIX:

Section 97.113 would be revised as follows:

§97.113 Prohibited Transmissions

(a) No amateur station shall transmit:

(1) Communications for hire or for material compensation, direct or indirect, paid or promised except as otherwise provided in these rules;

(2) Communications in which the station licensee or control operator has a pecuniary interest including communications on behalf of an employer. Amateur operators may, however, notify other amateurs of the availability for sale or trade of apparatus normally used in an amateur station provided that such activity is not conducted on a regular basis;

(3) Music; Communications to facilitate a criminal act; Messages in codes or ciphers intended to obscure the meaning thereof, except as otherwise provided herein; Obscene, indecent, or profane words or lan-

guage; or false or deceptive messages, signals or identification;

(4) Communication on a regular basis which could reasonably be furnished alternatively through other radio services.

(b) An amateur station shall not engage in any form of broadcasting. Nor may an amateur station transmit one way communications except as specifically provided in these rules; nor shall an amateur station engage in any activity related to program production or newsgathering for broadcasting purposes except that communications directly related to the immediate safety of human life or the protection of property may be provided by amateur stations to broadcasters for dissemination to the public where no other means of communication is reasonably available before or at the time of the event.

(c) A control operator may accept compensation as an incident of a teaching position during periods of time when an amateur station is used by that teacher as a part of classroom instruction at an educational institution.

(d) The control operator of a club station may accept compensation for the periods of time when the station is transmitting telegraphy practice or information bulletins provided that

(1) The station transmits the telegraphy practice and information bulletins for at least 40 hours per week;

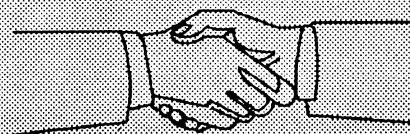
(2) The station schedules operations on at least six amateur service MF and HF bands using reasonable measures to maximize coverage;

(3) Where the schedule of normal operating times and frequencies is published at least 30 days in advance of the actual transmissions; and

(4) Where the control operator does not accept any direct or indirect compensation for any other service as a control operator.

(e) No station shall retransmit programs or signals emanating from any type of radio station other than an amateur station, except propagation and weather forecast information originating from United States government stations, and communications originating on United States government frequencies between a space shuttle and its associated Earth stations. Prior approval for such retransmission must be obtained from the National Aeronautics and Space Administration. Such retransmissions must be for the exclusive use of amateur operators. Propagation, weather forecasts and shuttle retransmissions may not be conducted on a regular basis but only occasionally as an incident of normal amateur radio communications.

(f) No amateur station, except in auxiliary, repeater or space operation may automatically retransmit the radio signals of other amateur stations. □



NEW MEMBER APPLICATIONS

CALL: N3GPT
NAME: J. Everett Powell
HANDLE: Everett
CLASS: Extra
ADDRESS: 15 Weiss Avenue
 Flourtown, PA 19031
HOME PHONE: (215) 233-1590
BUSINESS PHONE:
OCCUPATION: Retired clergy
INTERESTS:

CALL: N3MUK
NAME: Joseph Gallo
HANDLE: "Pending"
CLASS: Technician
ADDRESS: 816 Scotia Road
 Philadelphia, PA 19128
HOME PHONE: (215) 482-1752
BUSINESS PHONE:
OCCUPATION: Teacher
INTERESTS: W3TKQ, Welcome

CALL: N2RCJ
NAME: John Meksa
HANDLE:
CLASS: Technician-plus
ADDRESS: 409 Melvin Avenue
 Glendora, NJ 08029
HOME PHONE: (609) 939-4933
BUSINESS PHONE:
OCCUPATION: Retired
INTERESTS: W3TKQ

ARRL Considering Name Change

From the Atlantic Division News

For more than 75 years, our organization has been called the "American Radio Relay League." Should the name now be changed to "American Amateur Radio League"?

The name change could make the League's nature and purpose much clearer to the general public and the agencies served by hams.

However, the change would have some costs and would understandably cause some short-term confusion among hams and non-hams alike.

What do YOU think? Do you believe such a change would benefit the membership and Amateur Radio? Or do you believe "if it ain't broke, don't fix it"?

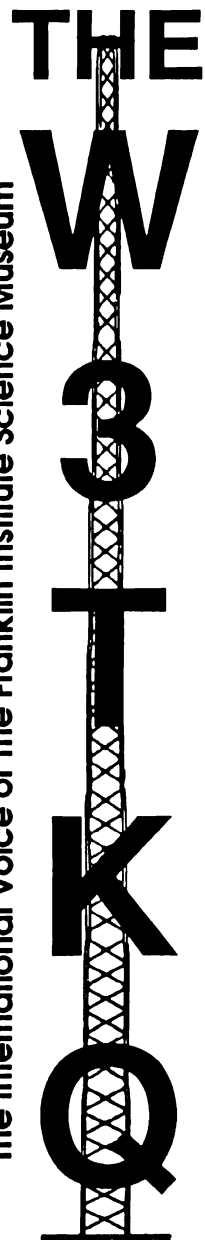
Let Atlantic Division Director Hugh Turnbull, W3ABC, know your opinion as soon as possible, and let other hams you talk to know about the proposed change.

Write to: Hugh Turnbull, W3ABC
 6903 Rhode Island Avenue
 College Park, MD 20740

NEWSLETTERS EXCHANGED

Baltimore Radio Amateur Television Society (BRATS)
 Cherryville Repeater Association (NJ)
 Delaware-Lehigh Amateur Radio Club (DLARC)
 Delmont Radio Club
 EASTLINK
 Mid-Atlantic Amateur Radio Club (MARC)
 Mobile Sixers Radio Club
 Penn Wireless Association
 R F Hill Amateur Radio Club
 Reading Radio Club
 Sussex Amateur Radio Ass'n (SARA) (Delaware)
 Tompkins County Amateur Radio Club (New York)
 Warminster Amateur Radio Club
 Worldradio Magazine

Exchanges with additional parties are welcomed.



REPORT

by
Jake Kovalchek,
AK2I

The most recent "exhibit within an exhibit" is soon to develop at your station W3TKQ. A discussion with the Board of Directors gave the direction to begin developing in the corner of the room, a hands-on exhibit, showing what the typical novice amateur radio station might look like. The exhibit will give answers to those who continually ask, what does it take to build my own station? How much will it cost? What exactly do I need as far as equipment? Where can I set up the room in my home? Where can I get the equipment?

The exhibit will permit a hands-on operation with a separate receiver and transmitter. For the moment the transmitter will be disabled but the receiver will permit tuning across the bands.

The list of equipment will include:

Transmitter (1960-70 vintage)

Receiver

Antenna switch

Keyer oscillator

Speakers

Power meter

SWR meter

Power supply

Each item will be described and a brief explanation with appropriate signage will add legitimacy to the display. Those visitors interested in the display will be permitted to operate the station exhibit and tune across the bands. We'll even try to add a favorite family photo for the desk, which has already been donated by The Institute.

The station will need all of the equipment listed above so if anyone has any item listed above and would care to make a donation to the perpetuation of amateur radio and this exhibit, please contact me anytime on the repeater. This hands-on exhibit will add a new dimension of reality to W3TKQ.

cations in which the operator has a pecuniary interest and;

- (c) Amateur operators should not use amateur service frequencies regularly as a substitute for other licensed radio services.

The yardstick the amateur operators would use for determining pecuniary interest would be the business implication of the licensee initiating the communication, not the recipient.

The League also seeks to allow an amateur station control operator to accept compensation when using the station as part of classroom instruction at an educational institution.

5. Reynolds and Ruh ask that amateur stations be authorized to fill communications voids in other radio services. They suggest eliminating the prohibition of amateur stations retransmitting the broadcast of stations in other radio services such as government, time and weather stations. [The League also proposes eliminating this prohibition.] They [Reynolds and Ruh] request that amateur stations be allowed to retransmit music included in space shuttle communications. Ruh further requests that amateur stations be allowed to retransmit video obtained from government and private radar stations.

6. Periodicals servicing the amateur service community have indicated that there is already widespread use of amateur service frequencies by amateur operators to bolster governmental functions. These periodicals routinely commend and laud amateur operators for providing communications for police and fire departments, and for reporting data to the National Weather Service. [National Amateur Radio Association "Communicator" Oct. & Nov. 1991, "World Radio" Jan. & March 1992 and American Radio Relay League "QST" May & July 1991, Feb. 1992 references are foot-noted.]

Correspondence from amateur operators also suggest that they want to communicate messages relating to their personal business such as ordering goods and services. Some commenters, however, oppose any change to Section 97.113. One group states that to relax the prohibited transmissions rule would undermine the basic principle of non-commercial communications upon which the amateur service is founded and for which the frequencies are allocated.

Other commenters expressed the view that allowing any business-related communications on amateur service frequencies would be disruptive and that any relaxation of the prohibited communications rule would mark the end of the amateur service.

III. PROPOSAL:

7. It appears clear from the petitions and comments discussed above that much of the amateur community strongly supports relaxing a number of the

existing restrictions on the scope of amateur services communications. Further, it appears that the amateur community appreciates both the benefits and the burdens of relaxing these existing restrictions.

The restrictions on permissible communications in the rules were designed to protect the essential character of the amateur service as a reservoir of volunteer communicators, technicians and electronics experts dedicated to advancing the radio art, to provide public service communications particularly in times of emergency and to enhance international goodwill.

While eliminating some of the existing restrictions would provide the flexibility to expand public service activities and satisfy the personal communications interests, the potential for commercial exploitation and abuse of the amateur services allocated frequencies could increase.

8. After careful consideration, we propose to relax the restrictions on the scope of permissible amateur communication. Specifically, we propose the revision suggested by the League. Our decision is based on the following factors. First, the League's suggested proposal appears to best consolidate the views of the amateur community. Second, relaxing the restrictions on permissible communications would permit the amateur community to increase its public service activities. Third, as noted by the League, the amateur community has a long tradition of self-regulation and a strong commitment to maintaining the unclouded distinction between the amateur service and other radio services.

9. The proposed rule amendments would expand the scope of public service communications and personal communications permitted in the amateur service. Specifically, we propose to relax the prohibition against amateur stations transmitting any communications that could be furnished by other radio services. Our intent is to allow other amateur operators who so desire to increase their public service activities in support of parades, races and other public gatherings.

We also propose to remove the outright bar on amateur stations transmitting communications that could facilitate the business affairs of any party. This change would allow amateur stations to transmit, for example, communications relating to amateur radio club business activities. Amateur stations could also transmit communications such as ordering food, lodging and transportation that incidentally facilitated the commercial activities of some party.

We further propose to permit control operators to accept compensation as an incident of a teaching position during periods of time when the station is used for classroom instruction. The general prohibition against amateur operators transmitting messages for hire or for material compensation, direct or indirect, however, would remain in the rules.

10. These proposals are not intended to alter in any

TEXT RELEASED ON PROPOSED "NO-BUSINESS" RULE

W5YI Report

The FCC released their Notice of Proposed Rule Making to lessen restrictions on permissible communications that amateur stations may transmit. In a nutshell, the Commission proposed to permit greater flexibility for public service and personal communications.

This proposal strikes at the very heart of ham radio since it details new directions in amateur communications. It is the most important proceeding since the Codeless Technician matter. Here is a transcription: [Some of the footnotes were included in the text.]

Before the
Federal Communications Commission
Washington, DC 20554

PR Docket No. 92-136

Amendment of Part 97 of the
Commission's Rules to Relax
Restrictions on the Scope of
Permissible Communications
in the Amateur Service

RM-7849

RM-7895

RM-7896

NOTICE OF PROPOSED RULE MAKING

Adopted: June 18, 1992; Released July 2, 1992

Comment Date: October 1, 1992

Reply Comment Date: December 1, 1992

By the Commission:

I. INTRODUCTION:

1. In this NPRM we propose to amend the Rules for the Amateur Service by lessening restrictions on the scope of the permissible communications that Amateur stations may transmit. This proceeding was initiated by two petitions and a letter requesting rule making relating to this issue. Petitions were received from Michael R. Reynolds, WOKIE of Tulsa, Oklahoma [RM-7849] and Henry B. Ruh, KB9FO, of Des Plaines, Illinois [RM-7896] on behalf of *Amateur Television Quarterly Magazine*. The letter was received from the American Radio Relay League, Inc. Because of the detail it contains, it is treated as a petition: RM-7895.]

II. DISCUSSION:

2. The petitioners generally seek greater flexibility for amateur stations to transmit communications for public service projects and personal matters. They want to eliminate rules that bar amateur stations from transmitting occasionally messages that could indirectly facilitate the business or commercial affairs of some party and messages that could be transmitted in other radio services. They ask therefore for amendment of Section 97.113 of the Commission's rules. [47 C.F.R. §97.113]

The petitioners indicate this rule needs to be reviewed in light of contemporary communication de-

mands and the operational capability of licensees in the amateur service. The petitioners argue that the prohibition against using the amateur service as an alternative to other authorized radio services except as necessary for emergency communications may unnecessarily restrict amateur operators from participating in many public service activities and from satisfying their personal communications requirements.

3. The current Section 97.113 is intended to help maintain the non-commercial character of the service by prohibiting certain types of transmissions by amateur stations. Section 97.113 prohibits amateur stations from transmitting any communications the purpose of which is to facilitate the business or commercial affairs of any party. It prohibits amateur stations from transmitting communications as an alternative to other authorized radio services. It also prohibits the transmission of music; communications in connection with any activity that is contrary to the law; encrypted messages; words, language or meaning that is obscene, indecent, or profane; and false or deceptive messages or signals. This rule provides, however, exceptions for providing emergency communications, facilitating the public's safe observation of public gatherings, selling amateur station apparatus, and conveying news information.

We do not, however, want to inhibit amateur operators from using the service frequencies in the manner they believe best suited to their purposes. The objective of this proceeding therefore is to determine that the prohibitions in Section 97.113 should be revised to accommodate the uses of the service frequencies that amateur operators desire.

4. The League contends that restrictions on the content of amateur station transmissions should be based on the principle that any amateur-to-amateur communications is permitted unless specifically prohibited. The League therefore seeks to allow amateur stations to transmit occasionally certain types of communications that are now prohibited so that the amateur service community can better meet public service communications needs. The League states that its suggested amendment would not subject the service to exploitation because the self-regulating character of the service would provide the proper checks and balances. It also argues that each licensee can best determine for himself or herself other particular public service projects such as providing communications at spectator events is a reasonable use of the amateur service frequencies.

The League's proposed revision is based upon the principles that

- (a) Amateur operators should not conduct communications in exchange for compensation or for the benefit of their employers;
- (b) Amateur operators should not transmit communi-

BOO—HISS!

A letter from Fred Reichert, Jr., KF4LM

Wow! That's a nice picture of W3TKQ on the cover of QST. The article that Jake wrote was nice also. Some moron in southern California put out a nasty bulletin to the world saying that Ben Franklin would have puked on all the Japanese equipment that was bought with the \$50,000 that was donated. I sent a message back to the guy requesting that he put out a public apology for expounding on an article that he obviously didn't read.

I told him that the equipment was donated by American distributors of Japanese equipment; that American ham equipment manufacturers didn't see any merit in making like donations; that the cash donations amounted to less than \$4,000; that the Phil-Mont group did an incredible job with the shoe-string budget they had to work with; and that Phil-Mont had accomplished a great service to both the general public and amateur radio through the renovation and use of the new W3TKQ. My last comment to the moron was a question: "What positive accomplishment have YOU done for amateur radio or the general public?"

In case any Phil-Monters are on packet, they might want to respond in kind. A copy of the moron's note is [reproduced below].

From :K6ZSR @ K6TZ.#SOCA.CA.USA.NA
To :P @ ALLUS
Date :920630/0315
Msg-id :BF 14689@K6TZ, 1583@K6LY \$14689_K6TZ
Subject :QST July Cover Joke ?
Path :N6IYA!N6QMY!WA8DRZ!WB6ZVW!AA4RE!KM6HK!WB6ODZ!AA6QD!W7AZF!K6TZ

Hey ARRL... Is the July 1992 cover of QST an April Fools Joke? The Ben Franklin I know and loved would throw up at the site of the station that the Phil-Mont Mobile Radio Club has assembled. Are you KIDDING US? ... They replaced our American Heritage and Vintage Collins Radio Equipment with radios made in Japan and a few token Tandy and AEA radios???

50,000 dollars raised and they couldn't give TEN-TEC, Alpha, Ameritron AND OTHER WELL DESERVED AMERICAN MANUFACTURERS A BREAK???

Hey ARRL, Why didn't you dress up your Ben Franklin Actor in a Kimono?

de Mike Ferraro Life Member ?

--- End of message 1583 from K6ZSR @ K6TZ.#SOCA.CA.USA.NA ---

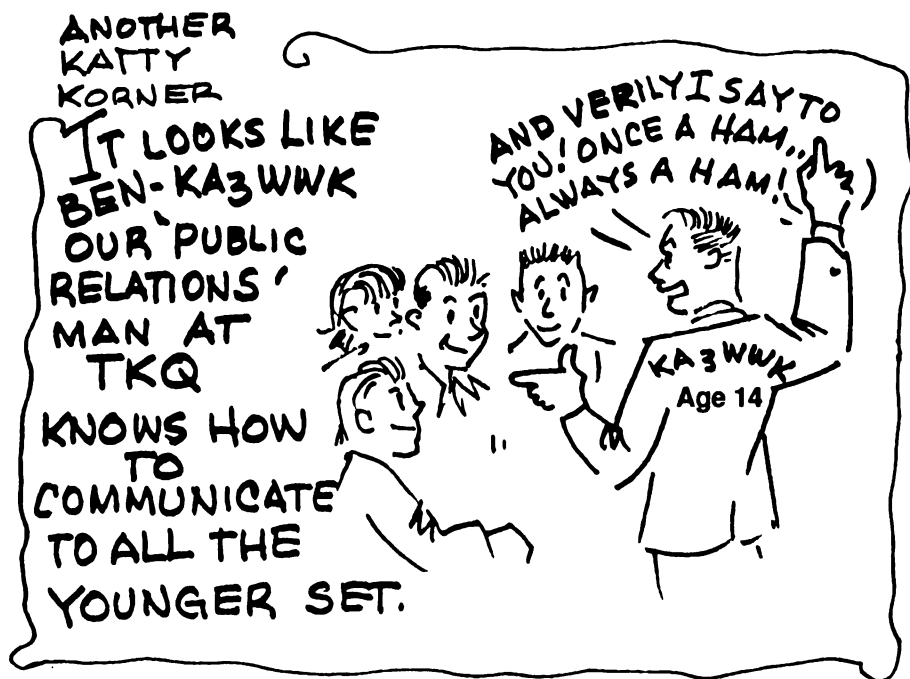
LETTER TO THE EDITOR

Having received my July issue of QST and turned quickly to the premier article, I was totally disappointed. Not in what was said; rather in what was not said. Nowhere in this mass of words was there one word of praise for the *Craftsman* who made this all possible. Nor was there any mention of any of the other *workers* who helped to create this obviously pleasing console and surroundings.

As I read the article, five people were mentioned by name: Ben Franklin (actor Ralph Archbold), Kay Craigie, Marconi's daughter, Bill Booth, and "me" and "I" (referring to the author, AK2L.) I fail to see how the first three contributed a darn thing to the station. I know darn well that Jim Spencer put together whatever was pleasing in the whole assembly, with his usual exquisite workmanship. But there was not even a "BBB" in the whole article.

In short, without Jim Spencer, the new station would look about like the first station used to. And I do not mean the beautiful job that was done by QQH on the Wally Kinnan weather station and W3TKQ installation mentioned in the sidebar on page 47, again without the slightest mention of Rickey's Dad, although W3QCV got his name mentioned.

Bill Clayton, K3HIE



DO YOU KNOW YOUR CLUB MEMBERS?

Dan, a resident of San Francisco's Nob Hill, spent a semi sleepless night last summer listening to what he calls "the ridiculously self important sound of a car alarm." Next morning, as he trotted bleary-eyed to work, he was gratified to find this scrawled note on the windshield of the offending BMW: "Thieves! Please break into this car. Disconnect the car alarm and you can have the stereo as a thank-you gift from the neighborhood." *Herb Caen in the San Francisco Chronicle.*

After being hit by lightning on the golf course, Lee Trevino was asked what he had learned from the experience. "When God wants to play through," he answered, "you'd better let him!"

One Saturday afternoon, driving home from a hospital visit, my friend Jim remembered that he hadn't purchased his weekly lottery ticket. When he passed a corner market with a lottery sign in the window, he stopped and went in. Jim gave the clerk his numbers, and together they waited for the computer to register them and print out his card. "Bet I know what you'll do if you win tonight's drawing," the clerk said. "You'll call your boss on Monday morning and tell him to go to hell." "Oh I don't think so," said Jim, handing the clerk his business card, which read: The Reverend

James Spencer. *Timothy Scee, Brownsville, N.Y.*

Our motor home needed a new sink faucet. When my husband realized he didn't have the proper tools to install the one he'd purchased, he drove the RV to a plumbing shop. The plumber climbed into the RV, installed the faucet in a matter of minutes, and then refused payment for his work. When my husband protested, the plumber dismissed him with a wave of his hand. "You're the best customer I've ever had," he said. "I've been making house calls for years. This is the first time the plumbing ever came to me!" *Marjorie V. Adams, Austin TX.*

I was late for my golf date. When the car wouldn't start I knew the carburetor was stuck. Grabbing a screwdriver, I gave the carburetor couple of gentle taps. The car started right up, but the motor cut out again at the first stoplight on the main road. The screwdriver had rolled under the seat, so I grabbed a golf club, raised the hood and tapped the carburetor with it. When I got back in the car, the engine caught on the first try. A pedestrian who had watched the proceedings called out, "Would you mind telling me what club you used?" *Phyllis Haughton, Topping, VA WU3I*

87TH MONTHLY VE SESSION STATISTICS JULY

14 candidates pass 19 elements
5 new amateurs plus 4 upgrades

VE team members:

Dusty Rhoads, ND3Q, Chairman

George Starks, AA2FU; Henry Mapps, K3DXI; Steve Hoch, WU3I;
Marty Gold, K2ID; Dick Moll, W3RM; Paul Bohlander, W3VVS

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Registration begins at 6:00 PM

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NEXT TIME STAND
CLOSER TO THE RAZOR



The Complete Story

In the interest of demonstrating to all critics that the article, as printed in QST, has little resemblance to the one Jake submitted, Jake was persuaded to supply to the BLURB his original manuscript, which is printed here in its entirety —Ed.

It's hard to know where to begin concerning the rebirth of W3TKQ, but the cover shows the culmination of hundreds of hours of work and dedication to a cause. Ben Franklin, as played by Ralph F. Archbold of Philadelphia, was proud indeed to be a part of the final act of dedicating the station to, not just The Phil-Mont Mobile Radio Club, or even The Franklin Institute Science Museum, but to the world!

One look at the station in its run-down condition, about one year ago, was enough to make me angry at myself for allowing it to happen, even though I had been President of this prestigious club in 1981. Many changes had taken place to the station, by The Franklin Institute, and not one of them was complimentary to the cause of amateur radio, because, they had all been initiated by people that had other interests. What was once a very proud station, boasting all new Collins equipment donated by the Collins Corporation, was now relegated to a corner of The Institute that saw very few visitors. It reminded me of the "Little Train Who Could"... but not even this sight was enough to spur the demand for recognition by our club members. It took someone who was merely trying to do a job at The Institute, to cause the flood of activities that gave birth to our new station. This person had no idea what the effects of their attempted actions would be, not only to The Franklin Institute, but to the members of The Phil-Mont Mobile Radio Club. This department head had decided to terminate the Ham Radio exhibit because, in their opinion, it no longer served a need either to The Institute or the community. In its present condition they were probably right!

We received the word of the possible closing of our radio station via a friend in The Institute who felt that the Amateur Radio exhibit was too valuable to close. Besides, the Ham Radio display had been there since 1952, and was now in its 39th year of continuous operation, and in this person's opinion, the savings involved in the decision were minimal. Interesting to note at this point is that The Phil-Mont Mobile Radio Club had just appointed a Liaison to The Franklin Institute in order to provide a better channel of communication between the management of The Institute and the Phil-Mont club. This was to be an extremely important move on the part of the Board of Directors, and is highly recommended for all associations where there is

another building or facility involved. Especially where there are two different groups of people involved, those who understand amateur radio and those whose interests lie elsewhere. This established connection provided the vital link between us, and gave meaning to everything both parties would attempt to do.

The real reason for action had erupted as quickly as the word of the potential closing had been made. The ground swell of emotions was being felt via telephone lines, personal contacts and meetings. An emergency meeting of the Board of Directors of Phil-Mont was called to order and out of that meeting came direction that was to herald the new and exciting W3TKQ.

The meeting with the Director of Services was polite and seemingly well received, for after the discussion, it was decided to not only allow the amateur radio exhibit to remain intact but to develop it further with the use of an all volunteer organization and to develop within its infrastructure the public education classes and seminars that would cause even greater interest for the visiting public for, after all, that's what our host was best at formulating. The meeting was attended by the Atlantic Vice Director Kay Craigie, WT3P, and myself, and it appears that with all the information that was developed for the presentation, a good job of convincing had been done. Now came the hard part. The station was in no shape to greet people and to tell them what amateur radio was all about. The station had deteriorated to a few pieces of equipment and had no order. The only remnant of what used to be was the large circular map of the world that had a beam of light that indicated what direction our beam was pointing. Not very impressive! The station needed new purpose and new meaning. It needed an all "New" look. It needed all new equipment.

The first step was to develop the plan. What should the station look like? What should be its mission statement? What should be the concerns of the new W3TKQ? First the plan was drawn in my mind and then on paper. It had to be the future. It must be extremely modern in design and completely functional for many operators, as many as six or seven at one time. It must be so modern looking that an artist had to be involved in the design. Ideas could be scribbled on paper but only an artist could really convince people that what was to come out

W3TKQ Operators' Net

The last Wednesday of every month.
Don't Miss It!

of the ashes was an astounding example of what could be accomplished if only men and women could be convinced of the outcome.

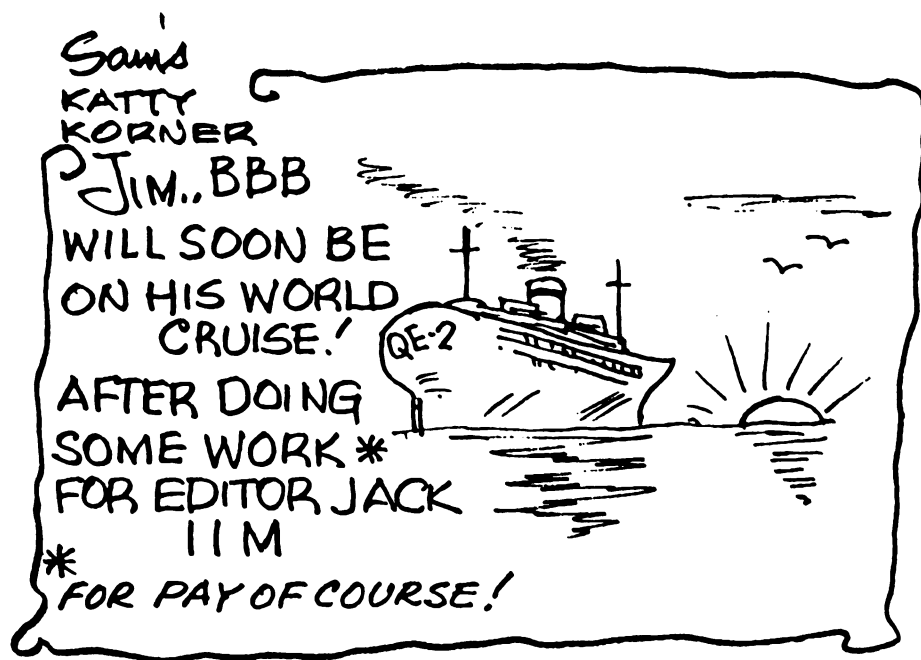
I knew we had one of the finest artists in the club in Sam Kuncovich, and we also had one of the finest overall technicians and construction carpenters in Jim Spencer, W3BBB. I was certain these men, having been involved in the original station back in 1952 would help in the dream of W3TKQ. Little did I know then how important these gentlemen would be to the final outcome of the new station.

The next step was to seek donations from the community of amateurs as well as the manufacturers. The public library and the Pours Directory gave me all the names of CEOs and Presidents that I needed. I knew that if they read the real story of what we were trying to accomplish they could not refuse. Well, I was wrong. The overall response was very gratifying, but several of the manufacturers were less than willing to cooperate.

One of the most interesting and gratifying issues concerning our exhibit was the response from The Franklin Institute. Originally, the radio room, which had been located in the Electric Hall, had to be moved because of some extensive renovations at The Institute itself. The radio room was finally located on the fourth floor at the end of a hallway with only a three foot wide door telling the story of amateur radio. After seeing the completed station and its beautiful, functional console,

the Director of Exhibits, Mr. Bill Booth, decided that a "glass wall" in place of the real wall at the station would be ideal. We, of course, had been hoping for additional exposure in The Institute, and the station had done it for us. Mr. Booth's reaction was just what we were hoping for. "After all," he indicated, "if we're going to give you the kind of exposure this beautiful station deserves, and with the amount of effort you folks put into it, this is the least we can do." Since The Institute was not going to have time to put that glass wall into place by the time we dedicated our new station, we decided to paint on the outside wall our personal feelings of what the station would look like if you were to view the station from the outside through a glass wall. That painting still stands and The Institute has indeed promised to install the glass wall just as soon as the time and materials can be gathered. One Assistant Director of The Institute was so taken up by the work that was developing that he also donated \$500.00 of his own funds toward the station... and he's not even a ham!

The members of The Phil-Mont Mobile Radio Club were polled, and the plea for donations of at least \$15 per member was made. Each console was marked for dedication by any person or couple that would donate \$500 for that particular station. In less than a month's time all seven console positions had been promised and the donations amounted to \$3,500. Enough money was raised to start construction of the console at



From this information, for example, we learned that in 1922 the "Marconiphone Company was formed to cater for those lacking the necessary skills to construct their own receivers." We also learned from the photos that, as Marconi stated in a handwritten note captured with his signature, "It is my belief and earnest hope that these Marconiphones, the latest popular development of principles of my invention, may benefit the public at large by providing every home in the land with a new medium for education and education." Signed G. Marconi.

Another interesting fact that we uncovered while working on the exhibit was that The Franklin Institute and Science Museum in 1918 awarded the "Franklin Medal" to Guglielmo Marconi for his services to mankind. Little known also was the fact that this investigation and the application for the award was turned down by Marconi in 1901 because in Marconi's words "...I regret to say that I am not able at present to make public all the details of my system of wireless telegraphy, and cannot therefore make the application suggested..." We could only dream back then when the station was too small to exhibit anything but one or two operators using the ham equipment, but now the day has arrived when the dreams of many are fulfilled because just last weekend our first class of students taking the Workshop classes for both Adults and children, were able to sit in the station and observe the full activities of amateur radio in action. Two meters was on our local repeater and each was given the opportunity to say a few words to a ham in the club. The excitement and nervousness of the students was obvious but the anticipation was also very clear to all. We told them that the next most exciting thing in their lives would be the day they passed their No-Code Technician's class license examination, and that was only ten weeks away. For this interested group, which had the opportunity to see one of the finest amateur radio stations in the world, this task will be easily accomplished.

Recently a plea for additional Volunteer Operators was made to other organizations in our area, over packet and Eastlink as well. The story of W3TKQ has been told and the need for additional operating hours was made. The responses from the community have been most gratifying. The need for at least another twenty volunteer operators in order to properly exhibit the station during all of The Franklin Institute operating hours is apparent. We have found that while opening the exhibit in itself causes interest, we cannot do justice to the exhibit if we have only one person on duty. We need at least two operators, and at times, four operators on board at one time. One operator tells the story to the public while the others demonstrate the equipment and maintain communication with the vast array of modes available. For some of our audience, time is valuable,

and if our story of amateur radio is not immediately interesting they will move on, especially our younger audience. It pays us to have our story down pat and to be able to develop our presentations to our specific audience. Obviously, no two groups are the same and one soon learns what is necessary in order to hold their attention. One of our very interesting exhibits in the station itself is the ATV equipment. This is especially true with the younger generation. When they observe themselves on the monitor, and are able to hear both sides of the conversation, they are thrilled beyond description. In the Philadelphia area we are proud to be able to use ATV repeater, W3PHL that does a great job.

One of the more interesting studies we wish to become more active in, is the live broadcasts from the shuttle missions. Here at The Franklin Institute Science museum along with The Phil-Mont Mobile Radio Club and W3TKQ, we now have all of the facilities needed for live demonstrations with large numbers of people and a vast array of equipment that will give us the necessary downlink for our astronauts. What better way to involve hundreds of people not only in amateur radio but our space program as well. We plan to concentrate on this mode of communication as quickly as possible.

We encourage other clubs, which have not yet shared their experiences with either the public or other hams outside of their immediate membership list, to reconsider their mission. The sharing mode, in all of our activities is, by far, the greatest achievement any amateur radio club can attain. Setting up a radio station to represent the club in whatever specialty that club is involved in, is the best PR and the most effective organizer the club could ever produce. Contact the institution you're involved with or that provides your club meeting facilities. Ask them if they would like to sponsor your station and would be willing to expand their involvement to including space for antennas and another room just for your special amateur radio station. The reaction could be surprising and beneficial to both parties. That's the biggest hurdle you will encounter.

As many of the Directors of The Franklin Institute have said in the past, we, as teachers, have a responsibility to remember the past, but an even greater responsibility to help develop our scientists of the future. What better way to do this than through the "New W3TKQ," built by The Phil-Mont Mobile Radio Club, and the facilities of The Franklin Institute Science Museum. ☐

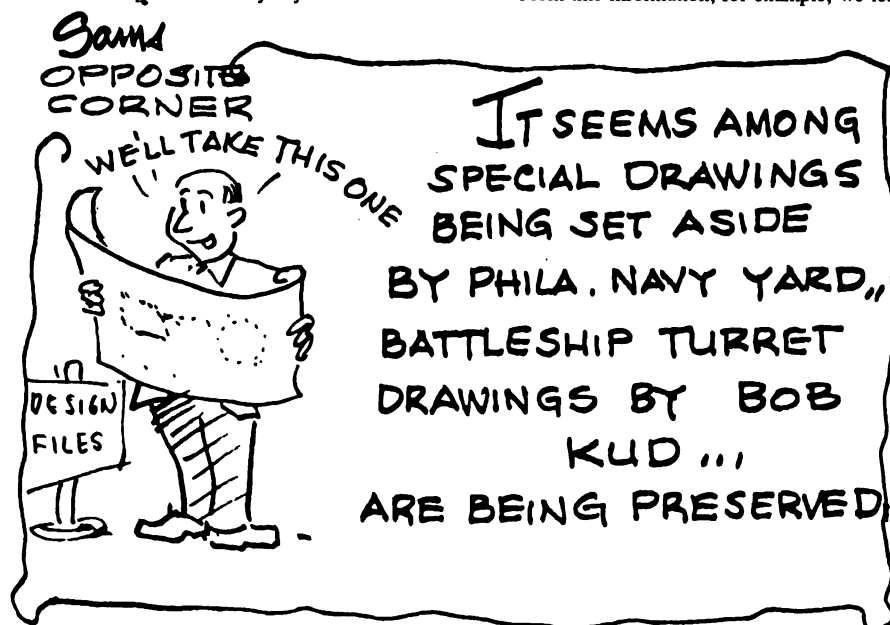
CLUB INFORMATION
24 Hour Information Number at W3TKQ
(215) 448-1139

making it the second oldest planetarium in the country. In January 1, 1934, the Science Museum of The Franklin Institute opened to the public. In 1988, construction on the Futures Center, Omniverse Theater, Choices Forum and eight new exhibits began. The Futures Center, opened in May 1990 increased the total square footage half as much again and provides for even more exciting and stimulating ways to learn about science and technology and its application to our everyday lives.

In the mission statement of The Franklin Institute there is a passage that states... "to preserve the rich history and tradition of the science and technology and The Institute's historic role by maintaining historic collections and presenting them to the public..." This also serves as one of the majestic features of the New W3TKQ station for an entire side wall of the exhibit is devoted to radio equipment from as early as 1918. For example, we show a U.S. Navy type S.E. 1012A circa 1918 receiver used with radio compass equipment on Navy destroyers; from 1922, a Magnetic Modulator Model UT-11357 developed by RCA and GE as an accessory to CW transmitters to enable AM radiotelephone transmissions; circa 1922 is a Westinghouse "Aeriola Jr" Model RE Crystal Set listening to broadcast reception on 190 to 500 meters; from the 1929 era we have a beautifully preserved George W. Walker Co. "Victoreen" 8 tube battery receiver. These pieces along with some early amateur radio gear make up one of the most comprehensive collections of antique radios found anywhere, and provide a real treat for those visiting the station who are a part of the early days of radio.

One of the more intriguing steps taken to produce more interest in the exhibit, was to draft a note to the Marconi House in Chelmsford, England. After learning the curator's name from Mrs. Gioia Marconi Braga, we asked if any material or piece of original equipment was available for loan to our exhibit through W3TKQ. But to our disappointment learned that the only place that shows some of the original Marconi equipment was in the Marconi House itself and none of it was available to anyone for display or loan, because of the delicate nature of the equipment, however, they would be able to help us in our quest for exhibit material in a set of pictures available that tell the story of Marconi and his achievements in a story fashion with titles under each photo with some photos being very rare indeed. We now boast a collection of 42 photographs that clearly show the development of the Marconi inventions from early childhood to the time of his involvement with the his experiments on the ship he loved so called the "Elettra." On board, Marconi developed shortwave directional transmission, which he considered potentially far superior to the longwave high power system. This is just one of two exhibits we developed about Marconi for, through the efforts of Mrs. Gioia Marconi Braga, his daughter, the Canadian Broadcasting Company along with the RAI, the Italian Radio TV System, we have exclusive rights to show a video feature of Marconi that was produced in 1982 called, "The Spark That Shook The World."

From this information, for example, we learned



the millwright. Our local "Blurb," the official newsletter of The Phil-Mont Mobile Radio Club, was filled with articles and an artist's conception of what the station would look like when completed. Fortunately, we enlisted the services of Sam Kuncovich, an artist member of the United States Navy, to draw the final product for us. From the first day the request for donations was made to the club, the total response has been over \$11,800 in all. One of the unique devices we used to get a donation from the club's treasury was to ask the Board of Directors for "matching funds" during a certain time period. Additional pleas for funds were immediately made, and the final result was an additional \$1,784 for the W3TKQ building fund. The total amount of money raised, including the labor donations and the equipment donations, has now exceeded \$50,000 dollars.

The old station had to be gutted from ceiling to walls to floor. Time has a way of stripping everything of its dignity, and our station was no exception. While some of the equipment would again serve us by being placed on the antique shelf, most of it would either be thrown away or sold at a local flea market. After the cleaning came the installation of the new ceiling, light fixtures, display shelves and the new carpet. The craftsmanship built into this new station even at this early stage of development was the result of two people, namely Jim Spencer, W3BBB and Jinny Haring, W3IIN, our color coordinator. The expertise in handling all the myriad of problems that developed during the construction period were handled by these two people, and accordingly they are to be commended. One has to be reluctant to begin naming specific people because so many had made either monetary contributions and or contributions of their time and effort that forgetting a name would be a disservice to this great group of dedicated people. The groundswell of emotion was felt by every single member of Phil-Mont, but to the man Jim Spencer, W3BBB, whose construction genius and electronic wizardry is beyond description, Phil-Mont and myself will be eternally grateful, for his skills made W3TKQ a reality.

From the ashes of the original station dedicated in 1962 by Dr. Wynn Lawrence LePage, then Director of The Institute, grew the new W3TKQ. Resplendent with its new 27 foot console curved and angled at 30 degrees for better operating. In this console are seven operating positions each with a specific set of frequencies and modes. Included in several positions are computers both for operating the TNC and for tracking the satellites with the new IC970. Another computer donated by Tandy Corporation operates the TNC with the new TS950 and the AEA PK232MBX donations from the Kenwood Corporation and Advanced Electronics Applications.

Since the dedication ceremony by Mrs. Gioia Marconi Braga on October 23, 1991, the station has

operated with Volunteer Operators who are non-paid volunteers for The Franklin Institute. Their activities have produced over 500 hours of operation each month with resounding results. The amateur community has been involved in a marathon operating session, for example, to help celebrate the 286th birthday of Ben Franklin, which occurred January 17, 1992 resulting in 286 contacts from around the world. The exposure that the new station has had in The Institute itself has resulted in new Adult Education classes being offered by The Institute, and being taught by a staff supplied by The Phil-Mont Mobile Radio Club. The first such session was on Sunday the 2nd of February, with eleven students ranging in age from 10 years to 60 years. The classes sponsored by The Phil-Mont Mobile Radio Club have been augmented by the Public Relations efforts of The Franklin Institute. These classes have helped to add additional participation even in our Phil-Mont Club sponsored Volunteer Exams offered at The Institute and manned by volunteers from The Phil-Mont Mobile Radio club in cooperation with the ARRL. I think it important to say at this time that the Volunteer Exam program given by the members of Phil-Mont was conceived back in 1985, and has been administering examinations every month since that time, and has never missed a monthly session. In the past three years Phil-Mont has administered 811 elements to 518 examinees. Remarkable! Truly one large package all neatly tied together by two great institutions for the advancement of mankind through amateur radio.

The name of The Franklin Institute going back to the time of its inception in 1824, when Mr. Samuel Vaughan Merrick and William H. Keating founded The "Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts" was dedicated to Ben Franklin in honor of his many useful inventions, and was located in the County Court House in Philadelphia,



a building now known as the Independence Hall Building. From 1825 to 1934, The Franklin Institute was located on the east side of Seventh Street, now home of the Atwater Kent Museum. In 1930, the Poor Richard's Club and The Franklin Institute conducted a public subscription for funds to build a science museum and memorial to Benjamin Franklin. In 1932, the cornerstone of the new Franklin Institute was laid at 20th Street and the Benjamin Franklin Parkway. Samuel S. Fels gave The Franklin Institute its Planetarium in 1933,

1992

AUGUST

1992

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
2 AA2FU N2JFF WB3JUA WT3X NS3Y KT3Z 2M NCS AK2I 10M NCS ANYONE 75M NCS W3PWG	3 W3PWG WU3I K3VXU	4 N3ALW W2GMA W3STW WT3P WU3I NS3Z	5 WA3AUN N3AXJ K3PHC GENERAL MEETING at The Franklin Institute Refreshments at 7:00 PM Meeting starts after 7:30	6 N3FVI AK2I LICENSE EXAMS at The Franklin Institute Registration begins at 6:00 Doors close at 6:30 PM <i>sharp!</i>	7 WU3I W3LKI NS3Z	8 N3GMH AG2H K3TEF KA3WWK NS3Y AG2H K3JJO K3TEF W3YLT 1
9 AA2FU N2JFF WB3JUA WT3X NS3Y KT3Z 2M NCS N3FTY 10M NCS ANYONE 75M NCS W3AOA MARC Hamfest	10 W3PWG WU3I K3VXU Herbert Hoover 1874	11 N3ALW W2GMA W3STW WT3P WU3I NS3Z	12 WA3AUN N3AXJ K3PHC	13 N3FVI AK2I	14 WU3I W3LKI NS3Z V.J. Day 1945	15 N3GMH AG2H K3TEF KA3WWK NS3Y Panama Canal Opened 1914
16 AA2FU N2JFF WB3JUA WT3X NS3Y KT3Z 2M NCS K3JJO 10M NCS ANYONE 75M NCS W3RCE DLARC & SARA Hamfests	17 W3PWG WU3I K3VXU	18 N3ALW W2GMA W3STW WT3P WU3I NS3Z	19 WA3AUN N3AXJ K3PHC DIRECTORS' MEETING at W3IIM & N's	20 N3FVI AK2I	21 WU3I W3LKI NS3Z	22 N3GMH AG2H K3TEF KA3WWK NS3Y
23 AA2FU N2JFF WB3JUA WT3X NS3Y KT3Z 2M NCS NS3Y 10M NCS ANYONE 75M NCS AK2I GCARC Hamfest	24 W3PWG WU3I K3VXU	25 N3ALW W2GMA W3STW WT3P WU3I NS3Z	26 WA3AUN N3AXJ K3PHC  OPERATORS' NET at 8 PM	27 N3FVI AK2I L.B. Johnson 1908	28 WU3I W3LKI NS3Z	29 N3GMH AG2H K3TEF KA3WWK NS3Y
30 AA2FU N2JFF WB3JUA WT3X NS3Y KT3Z 2M NCS W3BBB 10M NCS ANYONE 75M NCS W3HFY	31 W3PWG WU3I K3VXU			It pays to use words of good taste. You might have to eat them.		